Multi-Gigabit L4-7 Application Delivery Solutions

F5's Application Delivery Networking products feature ground-breaking, next generation platforms that provide unmatched power to dramatically improve Layer 4-7 traffic throughput, administrative ease of use, and provide more application aware traffic management.

Supports the Largest Sites and Heaviest Load
BIG-IP platforms feature extreme capacity for handling the heaviest traffic loads at both Layer 4 and Layer 7. F5 solutions outpace every other product on the market in terms of key performance metrics in Layer 4, Layer 7, SSL processing, and HTTP compression—all running concurrently. These powerful platforms provide superior scalability for making in-depth Layer 7 decisions with extensive server and application acceleration capabilities for a high performance and unified network device.

Ground-Breaking Performance
F5 delivers the industry’s fastest unified application delivery networking solution with an architecture that merges a high performance switching fabric with individual hardware optimizers. This gives you real-world performance at network speeds, enabling the successful and secure delivery of your applications.

Up to a 50% Increase in Layer 7 Performance
BIG-IP, with its TMOS architecture, delivers a unique set of optimization techniques to boost application performance across all platforms. Isolating client-side from server-side flows independently optimizes communication for each connecting device, translating communications between systems for greater infrastructure scalability and outstanding application performance.

Integrated Hardware Compression Offloads Server
F5’s 8800, 8400, 6800, and 6400 platforms offer an optional HTTP Compression ASIC that enables organizations to cost effectively offload compression processing to the network while increasing server capacity. By migrating compression onto the network, administrators can realize up to a 20% improvement in server capacity, application performance (scales up to 6 Gbps), and application response times for user.

Heightened Security and Protection of Sensitive Content
The 6800 and 6400 BIG-IP platforms deliver unmatched scalability for FIPS processing to meet regulatory requirements specified in the FIPS 140-2 Level 2 and HIPAA standards. F5 enhances SSL security using hardware to encrypt and decrypt both the keys and data, leading the market in SSL TPS and bulk encryption. All other platforms offer best-in-market SSL TPS and bulk encryption via an optional hardware optimize.

Future Proofs the Network
All Gigabit architecture with Gigabit Ethernet ports (copper or fiber) future proofs the network to accommodate both the increasing demands of applications and increasing server capacity.

Easy to Manage for Reduced Cost of Ownership
Multi-boot support, warm upgrades, lights-out management, remote boot, superior system instrumentation, hard drive, and USB support reduces downtime, lowers TCO, and provides superior reliability for platform longevity. Selected platforms also offer hot-swappable components and redundant power supply and fans.
BIG-IP is available on six different platforms:

**8800 Series**
- Processor: Dual CPU, Dual Core (8 processors)
- Base Memory: 2GB
- ASIC: Packet Velocity ASIX 10
- Gigabit Ethernet Ports: 12 (Copper or Fiber)
- 10 Gigabit Fiber Ports: 2 (DUP pluggable optics)
- Included SSL/TPS Max TS/Max Bulk Crypto: 100/22,000 Gbps
- Traffic Throughput: 2 Gbps - L4; 8 Gbps - L7
- Hardware Compression: .5 GB SSL Throughput
- Available Hardware Option: Hardware Compression 2 Gbps FIPS Processing (7,000 TPS and 1 GB SSL Throughput)
- Dimensions: 2GB
- Included SSL TPS/Max TPS/Bulk Crypto: 100/22,000 Gbps
- Traffic Throughput: 2 Gbps
- Available Hardware Option: Hardware Compression 2 Gbps FIPS Processing (7,000 TPS and 1.5 GB SSL Throughput)
- Dimensions: 3.75” x 17.25” x 23.75” (in (per unit) 2U industry standard rack-mount chassis; designed for EC standards supporting 19” rack-mounted equipment
- Weight: 40 lbs. (single power), 43 lbs. (dual power)
- Input voltage: 90-240 VAC +/- 10%
- 30-72 VDC (optional)
- 90-132 SA
- 180-264 A
- Maximum Power Consumption: 460 W
- Maximum Heat Output: 792 BTUs

**8400 Series**
- Processor: Dual CPU, Dual Core (8 processors)
- Base Memory: 2GB
- ASIC: Packet Velocity ASIX 10
- Gigabit Ethernet Ports: 12 (Copper or Fiber)
- 10 Gigabit Fiber Ports: 2 (DUP pluggable optics)
- Included SSL/TPS Max TS/Max Bulk Crypto: 100/22,000 Gbps
- Traffic Throughput: 2 Gbps - L4; 8 Gbps - L7
- Hardware Compression: .5 GB SSL Throughput
- Available Hardware Option: Hardware Compression 2 Gbps FIPS Processing (7,000 TPS and 1 GB SSL Throughput)
- Dimensions: 2GB
- Included SSL TPS/Max TPS/Bulk Crypto: 100/22,000 Gbps
- Traffic Throughput: 2 Gbps
- Available Hardware Option: Hardware Compression 2 Gbps FIPS Processing (7,000 TPS and 1.5 GB SSL Throughput)
- Dimensions: 3.75” x 17.25” x 23.75” (in (per unit) 2U industry standard rack-mount chassis; designed for EC standards supporting 19” rack-mounted equipment
- Weight: 40 lbs. (single power), 43 lbs. (dual power)
- Input voltage: 90-240 VAC +/- 10%
- 30-72 VDC (optional)
- 90-132 SA
- 180-264 A
- Maximum Power Consumption: 460 W
- Maximum Heat Output: 792 BTUs

**6800 Series**
- Processor: Dual CPU, Dual Core (8 processors)
- Base Memory: 2GB
- ASIC: Packet Velocity ASIX 10
- Gigabit Ethernet Ports: 12 (Copper or Fiber)
- 10 Gigabit Fiber Ports: 2 (DUP pluggable optics)
- Included SSL/TPS Max TS/Max Bulk Crypto: 100/22,000 Gbps
- Traffic Throughput: 2 Gbps - L4; 8 Gbps - L7
- Hardware Compression: .5 GB SSL Throughput
- Available Hardware Option: Hardware Compression 2 Gbps FIPS Processing (7,000 TPS and 1 GB SSL Throughput)
- Dimensions: 2GB
- Included SSL TPS/Max TPS/Bulk Crypto: 100/22,000 Gbps
- Traffic Throughput: 2 Gbps
- Available Hardware Option: Hardware Compression 2 Gbps FIPS Processing (7,000 TPS and 1.5 GB SSL Throughput)
- Dimensions: 3.75” x 17.25” x 23.75” (in (per unit) 2U industry standard rack-mount chassis; designed for EC standards supporting 19” rack-mounted equipment
- Weight: 40 lbs. (single power), 43 lbs. (dual power)
- Input voltage: 90-240 VAC +/- 10%
- 30-72 VDC (optional)
- 90-132 SA
- 180-264 A
- Maximum Power Consumption: 460 W
- Maximum Heat Output: 792 BTUs

**6400 Series**
- Processor: Single CPU
- Base Memory: 2 GB
- ASIC: Packet Velocity ASIX 2
- Gigabit Ethernet Ports: 16
- 10 Gigabit Fiber Ports: 2 (DUP GBIC Min)
- Included SSL/TPS Max TS/Max Bulk Crypto: 100/15,000 Gbps
- Traffic Throughput: 2 Gbps
- Available Hardware Option: Hardware Compression 2 Gbps FIPS Processing (7,000 TPS and 1 GB SSL Throughput)
- Dimensions: 2GB
- Included SSL TPS/Max TPS/Bulk Crypto: 100/15,000 Gbps
- Traffic Throughput: 2 Gbps
- Available Hardware Option: Hardware Compression 2 Gbps FIPS Processing (7,000 TPS and 1.5 GB SSL Throughput)
- Dimensions: 3.5” x 17.25” x 23.75” (in (per unit) 2U industry standard rack-mount chassis; designed for EC standards supporting 19” rack-mounted equipment
- Weight: 19 lbs.
- Input voltage: 90-240 VAC +/- 10%
- 30-72 VDC (optional)
- 90-132 SA
- 180-264 A
- Maximum Power Consumption: 300 W
- Maximum Heat Output: 1025 BTUs

**3410/3400 Series**
- Processor: Single CPU
- Base Memory: 1 GB
- ASIC: Packet Velocity ASIX 2
- Gigabit Ethernet Ports: 8
- 10 Gigabit Fiber Ports: 2 (DUP GBIC Min)
- Included SSL/TPS Max TS/Max Bulk Crypto: 100/22,000 Gbps
- Traffic Throughput: 2 Gbps
- Available Hardware Option: Hardware Compression 2 Gbps FIPS Processing (7,000 TPS and 1 GB SSL Throughput)
- Dimensions: 2GB
- Included SSL TPS/Max TPS/Bulk Crypto: 100/22,000 Gbps
- Traffic Throughput: 2 Gbps
- Available Hardware Option: Hardware Compression 2 Gbps FIPS Processing (7,000 TPS and 1.5 GB SSL Throughput)
- Dimensions: 3.5” x 17.25” x 23.75” (in (per unit) 2U industry standard rack-mount chassis; designed for EC standards supporting 19” rack-mounted equipment
- Weight: 19 lbs.
- Input voltage: 90-240 VAC +/- 10%
- 30-72 VDC (optional)
- 90-132 SA
- 180-264 A
- Maximum Power Consumption: 300 W
- Maximum Heat Output: 1025 BTUs

**1500 Series**
- Processor: Single CPU
- Base Memory: 768 MB
- ASIC: None
- Gigabit Ethernet Ports: 3410 Ports 3400 Ports
- Gigabit Fiber Ports: Ports 6
- Available Hardware Option: None
- Included SSL/TPS Max TS/Max Bulk Crypto: 100/22,000 Gbps
- Traffic Throughput: 1 Gbps
- Dimensions: 17.5” x 23.75” x 810 x 200” behind mounting ears x 1.75” (5)
- Weight: 9 lbs.
- Input/Operating Temperature: 41° to 104° F (5° to 40° C) per Telcordia GR-63-CORE 5.1.1 and 5.1.2
- Relative Humidity: 10 to 90% @ 40° C, per Telcordia 41° to 104° F (5° to 40° C) per Telcordia 41° to 104° F (5° to 40° C) per Telcordia
- Safety Agency Approval: UL 60950-1-2002CSA-C22.2 No. 60950-00 (Bi-national standard with UL 60950) CB TEST CERTIFICATION TO IEC 950, EN 60950
- EN55024 1998 Class A FCC Part 15B Class A
- Maximum Power Consumption: 300 W
- Maximum Heat Output: 1025 BTUs

All specifications subject to change without notice.
**BIG-IP is available on six different platforms:**

<table>
<thead>
<tr>
<th>Platform</th>
<th>Processor Type</th>
<th>Base Memory</th>
<th>Gigabit Ethernet Ports</th>
<th>Gigabit Ethernet CU Ports</th>
<th>Gigabit Fiber Ports</th>
<th>SSL TPS/Max TPS/Bulk Crypto</th>
<th>ASIC</th>
<th>Maximum Heat Output</th>
<th>Maximum Power Consumption</th>
<th>Operating Temperature</th>
<th>Relative Humidity</th>
<th>Safety Agency Approval</th>
<th>Dimensions</th>
<th>Weight</th>
<th>Input Voltage</th>
<th>Peak Power Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>6800 Series</td>
<td>Dual CPU</td>
<td>2GB</td>
<td>12 (Copper or Fiber)</td>
<td>4 (4 processors)</td>
<td>2 (XFP pluggable optics)</td>
<td>2000/2000/1000 Gbps</td>
<td>Dual CPU Processor</td>
<td>1200/24/60</td>
<td>768 MB</td>
<td>1365 BTUs</td>
<td>102.5&quot; x 17.25&quot; x 23.75&quot; (D)</td>
<td>10 to 90% @ 40º C</td>
<td>UL 60950-1-2002/C22.2 No. 60950-1-03</td>
<td>17.5&quot; H x 19&quot; W x 23&quot; D (per unit) 2U</td>
<td>19 lbs.</td>
<td>90-240 VAC +/- 10%</td>
</tr>
<tr>
<td>3410/3400 Series</td>
<td>Single CPU</td>
<td>1GB</td>
<td>3410 Ports</td>
<td>41001/0001 Gbps</td>
<td>100 GB</td>
<td>1000/1000/5000 Gbps</td>
<td>Single CPU Processor</td>
<td>3.5&quot; H x 17.25&quot; W x 23.75&quot; (D)</td>
<td>3410 Ports</td>
<td>3400 Ports</td>
<td>1GB</td>
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<td>100 to 90% @ 40º C</td>
<td>UL 60950-1-2002/C22.2 No. 60950-1-03</td>
<td>17.5&quot; H x 19&quot; W x 23&quot; D (per unit) 2U</td>
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</tr>
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Application Switches

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